

Port Mirroring Configuration Commands

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Chapter 1 Port Mirroring Configuration Commands

1.1 Port Mirroring Configuration Commands

Port mirroring configuration commands include:

- mirror
- show mirror

1.1.1 mirror

Syntax

To set port mirror, run this command. To return to the default setting, use the no form of this command.

```
mirror session session_number {destination interface interface-id [ rspan vid tpid] |
source interface { interface-id [, | -]}<1-n> [rx | tx | both ] }
```

```
no mirror session session_number [source interface {interface-id [, | -]}<1-n> [rx |
tx | both ] ]
```

The mirroring destination port can only be the uplink port. The mirroring source port can be the uplink port or PON port. ONU port neither be the source port nor the destination port.

Parameters

Parameters	Description
<i>session_number</i>	Number of port mirroring Value range: 1-4
destination	Information about destination port mirroring
source	Mirroring source port information
rspan	Remote mirroring
TPID	TPID of the tag of remote mirroring
source	Information about the mirrored port
<i>rx tx both</i>	Data flow that will be mirrored Rx means that only the input data is mirrored; tx means that only the output data is mirrored; both means both the input data and the output data are mirrored.

Default Value

None

Command Mode

Global configuration mode

Usage Guidelines

This command must be configured in global configuration mode.

Note:

The unknown unicast packets including the unknown unicast and the broadcast take the source whose mirroring number is 1 as the source port in output mirroring.

Example

The following example shows how to set port g0/2 as the mirroring destination port and mirror the egress packet of interface gpon0/1 to g0/2.

```
Switch_config# mirror session 1 destination interface g0/2
```

```
Switch_config# mirror session 1 source interface gpon0/1 tx
```

1.1.2 show mirror

Syntax

To display the configuration information about port mirroring, run this command.

show mirror [session *session_number*]

Parameters

Parameters	Description
<i>session_number</i>	Number of port mirroring Value range: 1-4

Default Value

None

Command Mode

Other modes except the user mode

Usage Guidelines

This command can be used to display the information about port mirroring.

Example

The following example shows how to display the information of port mirroring on port 1.

```
Switch_config#show mirror
```

Session 1

Destination Ports: None

Source Ports:

RX Only:	None
TX Only:	gpon0/2
Both:	None

Session 2

Destination Ports: None

Source Ports:

RX Only:	None
TX Only:	None
Both:	None

Session 3

Destination Ports: None

Source Ports:

RX Only:	None
TX Only:	None
Both:	None

Session 4

Destination Ports: None

Source Ports:

RX Only:	None
TX Only:	None
Both:	None